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PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	10/803,640
Filing Date	11/02/2002
First Named Inventor	Shalaby
Title	Amorphous Polymeric...
Group Art Unit	1711
Examiner Name	Hampton Hightower
Attorney Docket Number	SHA-26-CTP

I hereby appoint:

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29698 →

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as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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☐ Firm or  
Individual Name

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Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98).**SIGNATURE of Applicant or Assignee of Record**

Name

SHALABY W. SHALABY

Signature

Shalaby W. Shalaby

Date

12/9/02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of \_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/96 (08-00)

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: ShalabyApplication No./Patent No.: 10/003,640 Filed/Issue Date: 11-02-2002Entitled: Amorphous Polymer's Polyaxial Initiators and CompliantPoly-med, Inc. a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached. 012866 0397

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

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3. From: \_\_\_\_\_ To: \_\_\_\_\_


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Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12/9/02  
DateSHALABY W SHALABY  
Typed or printed nameShalaby W. Shalaby  
SignaturePRESIDENT  
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/81 (02-01)

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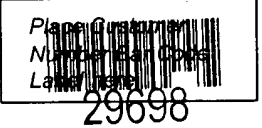
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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/003,640
Filing Date	11/02/2001
First Named Inventor	Shalaby
Title	Amorphous Polymers
Group Art Unit	1711
Examiner Name	Hampton Hightower
Attorney Docket Number	SHA-26-CIP

I hereby appoint:

- ☒ Practitioners at Customer Number **29698** → 
- OR

- ☐ Practitioner(s) named below:

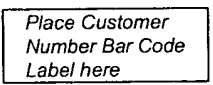
Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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- ☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name


Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of **4** forms are submitted.

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Application Number	10/003,640
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First Named Inventor	Shalaby, et al.
Title	Amorphous Polymers
Group Art Unit	1711
Examiner Name	Hampton Hightower, P.
Attorney Docket Number	SHA-26-CIP

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☐ Practitioner(s) named below:

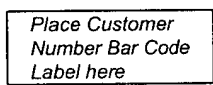
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☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

Fredrik Preinisz

Signature

*Fredrik Preinisz*


Date

Nov 7, 2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

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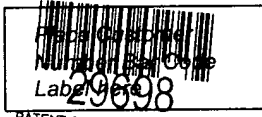
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Filing Date	11/02/2001
First Named Inventor	Shalaby, et al.
Title	Amorphous, Polymeric...
Group Art Unit	1711
Examiner Name	Hampton Hightower, P.
Attorney Docket Number	SHA-26-CIP

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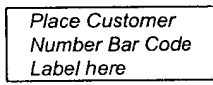
Name	Registration Number

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☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

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Name

Signature

Date

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**



Declaration  
Submitted  
with Initial  
Filing

OR



Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Dock t Number

SHA-26-CIP

First Named Inventor

Shalaby, et al.

**COMPLETE IF KNOWN**

Application Number

10/003,640

Filing Date

11/02/2001

Art Unit

1711

Examiner Name

Hampton Hightower, P.

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

*Amorphous Polymeric Polyaxial Initiators and  
Compliant Crystalline Copolymers Therefrom*

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

11/02/2001

as United States Application Number or PCT International

Application Number

10/003,640

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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**DECLARATION — Utility or Design Patent Application**Direct all correspondence to: ☒Customer Number  
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PATENT &amp; TRADEMARK OFFICE

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ZIP

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Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :



A petition has been filed for this unsigned inventor

Given Name  
(first and middle [if any])

SHALABY W. SHALABY

Family Name  
or Surname

SHALABY

Inventor's  
Signature

Shalaby W. Shalaby

Date

11/19/01

Residence: City

State

Country

Citizenship

Mailing Address

City

State

ZIP

Country

NAME OF SECOND INVENTOR:



A petition has been filed for this unsigned inventor

Given Name  
(first and middle [if any])

Dan

Family Name  
or Surname

Åkerfeldt

Inventor's  
Signature

Dan Åkerfeldt

Date

2001-11-07

Residence: City

Uppsala

State

Sweden  
CountrySwedish  
Citizenship

Mailing Address Nyvå, S-755 92 Uppsala

City

Uppsala

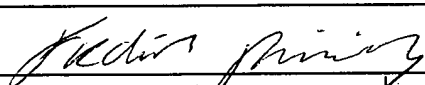
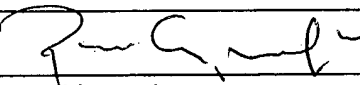
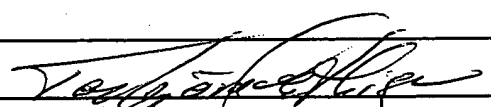
State

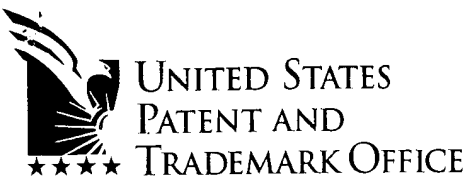
ZIP

Sweden  
Country☐ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.



**DECLARATION****ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
Page \_\_\_\_ of \_\_\_\_

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Fredrik		Family Name Preiniz	
Inventor's Signature 		Date 2001-11-07	
Residence: City Uppsala	State	Country Sweden	Citizenship Swedish
Mailing Address Körvelgatan 12A			
Mailing Address S-754 48 Uppsala			
City Uppsala	State	ZIP	Country Sweden
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Per		Family Name Egnelöv	
Inventor's Signature 		Date 2001-11-07	
Residence: City Uppsala	State	Country Sweden	Citizenship Swedish
Mailing Address Nannas väg 6			
Mailing Address S-754 40 Uppsala			
City Uppsala	State	ZIP	Country Sweden
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Torbjörn		Family Name Mathisen	
Inventor's Signature 		Date 2001-11-07	
Residence: City Stockholm	State	Country Sweden	Citizenship Norwegian
Mailing Address Tosterövägen 11			
Mailing Address S-125 42 Älvsjö			
City Stockholm	State	ZIP	Country Sweden



JULY 10, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
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www.uspto.gov

LEIGH P. GREGORY, ESQ.  
P.O. BOX 168  
CLEMSON, SC 29633-0168



\*102084612A\*

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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/06/2002

REEL/FRAME: 012866/0397  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
POLY-MED, INC.

DOC DATE: 11/09/2001

ASSIGNEE:  
SHALABY, SHALABY W.  
6309 HWY 187  
ANDERSON, SOUTH CAROLINA 29625

ASSIGNEE:  
AKERFELT, DAN  
NYVLA, S755 92 UPPSALA, SWEDEN

ASSIGNEE:  
PREINIZ, FREDRICK  
KORVELGATAN 12A  
S-754 48 UPPSALA, SWEDEN

ASSIGNEE:  
EGNELOV, PER  
NANNAS VAG 6  
S-754 40 UPPSALA, SWEDEN

012866/0397 PAGE 2

ASSIGNEE:

MATHISEN, TORBJORN  
TOSTEROVAGEN 11  
S-125 42 ALVSJO, SWEDEN

SERIAL NUMBER: 10003640  
PATENT NUMBER:

FILING DATE: 11/02/2001  
ISSUE DATE:

TONYA LEE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



CERTIFICATE OF MAILING

05-10-2002  
102084612

I HEREBY CERTIFY THAT THIS CORRESPONDENCE  
IS BEING DEPOSITED WITH THE UNITED STATES  
POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE  
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ASSISTANT COMMISSIONER OF PATENTS,  
WASHINGTON, DC 20231,  
ON April 25, 2002

*Leigh Gregory*  
LEIGH P. GREGORY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shalaby, et al.

Docket No.: SHA-26-CIP

Serial No.: 10/003,640

Group Art Unit: 1711

Filing Date: 11/02/2001

5.6.02

Title: Amorphous Polymeric Polyaxial Initiators and Compliant Crystalline Copolymers Therefrom

ASSIGNMENT COVER SHEET (37 CFR 3.31)

Honorable Commissioner of  
Patents and Trademarks  
Washington, DC 20231

Attn: Assignment Branch

Sir:

Attached please find an Assignment document for recordation.

1. This Assignment is for the following patent application and/or issued patent:

Serial No.: 10/003,640

Filed on: 11/02/2001

Patent No.: \_\_\_\_\_

Issued:

which was previously assigned:

Reel:

Frame:

The party conveying this interest: Shalaby W. Shalaby, 6309 Hwy 187, Anderson, SC 29625; Dan Akerfelt, a citizen of Sweden, residing at Nyvla, S-755 92 Uppsala, Sweden; Fredrick Preiniz, a citizen of Sweden, residing at Korvelgatan 12A, S-754 48 Uppsala, Sweden; Per Egnelov, a citizen of Sweden, residing at Nannas vag 6, S-754 40 Uppsala, Sweden; and Torbjorn Mathisen, a citizen of Norway, residing at Tosterovagen 11, S-125 42 Alvsjo Sweden.

2. The rights are being conveyed to:

Poly-Med, Inc.  
Westinghouse Road  
Pendleton, SC 29670

3. The accompanying document intends to accomplish: Assignment.

05/07/2002 YPOLITE1 00000050 10003640

03 FC:581

40.00 OP

4. Please address correspondence to:

Leigh P. Gregory, Esq.  
P.O. Box 168  
Clemson, SC 29633-0168

5. The attached assignment was executed on: November 9, 2001

6. The attached document:

X is in the English language.

— is not in the English language and a verified English translation signed by the individual making the translation is attached.

7. Submitted herewith is:

X the original document

— a true copy of the original document

8. a. This cover sheet identifies only one application.

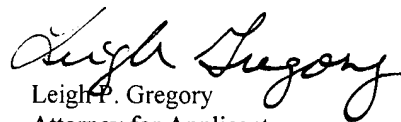
b. The fee for recordal (37 CFR 1.21 (h)) is \$40.00. A check for \$40.00 payable to the Commissioner of Patents and Trademarks is included herewith.

c.      Total number of pages including cover sheet, attachments and document.

9. This document is filed in duplicate.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,



Leigh P. Gregory  
Attorney for Applicant  
Registration No. 33,241

P.O. Box 168  
Clemson, SC 29633-0168  
(864)654-1080

April 25, 2002  
DATE

Attorney Docket No.: SHA-26-CIP

ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, Shalaby W. Shalaby, a citizen of the United States, residing at 6309 Highway 187, Anderson, SC 29625; Dan Åkerfeldt, a citizen of Sweden, residing at Nyvla, S-755 92 Uppsala, Sweden; Fredrick Preiniz, a citizen of Sweden, residing at Körvelgatan 12A, S-754 48 Uppsala, Sweden; Per Egnelöv, a citizen of Sweden, residing at Nannas väg 6, S-754 40 Uppsala, Sweden; and Torbjörn Mathisen, a citizen of Norway, residing at Tosterövägen 11, S-125 42 Älvsjö, Sweden, as assignors, have made an invention entitled Amorphous Polymeric Polyaxial Initiators and Compliant Crystalline Copolymers Thereof as described in a patent application for U.S. Letters Patent, filed on November 2, 2001 in the U.S. Patent and Trademark Office; and

WHEREAS, POLY-MED, INC. a body politic and corporate under the laws of the State of South Carolina, whose post office address is 511 Westinghouse Road, Pendleton, South Carolina, 29670; as assignee, is desirous of securing the entire, right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment.

AND, we HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, we HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this

invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

Sitalaby W. Sitalaby  
SITALABY W. SITALABY  
Nov. 9, 2001  
Date

Fredrik Preinitz  
2001-11-07

Date  
(Fredrik Preinitz)  
Torbjörn Melhise  
2001-11-07

Date  
(Torbjörn Melhise)


Dan Åkerfeldt (DAN ÅKERFELDT)  
2001-11-07  
Date

Per Egnell  
2001-11-06  
Date  
(Per Egnell)

CERTIFICATE OF MAILING



I HEREBY CERTIFY THAT THIS CORRESPONDENCE  
IS BEING DEPOSITED WITH THE UNITED STATES  
POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE  
PREPAID, IN AN ENVELOPE ADDRESSED TO:  
ASSISTANT COMMISSIONER OF PATENTS,  
WASHINGTON, DC 20231,  
ON April 25, 2002

  
LEIGH P. GREGORY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shalaby, et al.

Docket No.: SHA-26-CIP

Serial No.: 10/003,640

Group Art Unit: 1711

Filing Date: 11/02/2001

Title: Amorphous Polymeric Polyaxial Initiators and Compliant Crystalline Copolymers Therefrom

ASSIGNMENT COVER SHEET (37 CFR 3.31)

Honorable Commissioner of  
Patents and Trademarks  
Washington, DC 20231

Attn: Assignment Branch

Sir:

Attached please find an Assignment document for recordation.

1. This Assignment is for the following patent application and/or issued patent:

Serial No.: 10/003,640

Filed on: 11/02/2001

Patent No.:

Issued:

which was previously assigned:

Reel:

Frame:

The party conveying this interest: Shalaby W. Shalaby, 6309 Hwy 187, Anderson, SC 29625; Dan Akerfelt, a citizen of Sweden, residing at Nyvla, S-755 92 Uppsala, Sweden; Fredrick Preiniz, a citizen of Sweden, residing at Korvelgatan 12A, S-754 48 Uppsala, Sweden; Per Egnelov, a citizen of Sweden, residing at Nannas vag 6, S-754 40 Uppsala, Sweden; and Torbjorn Mathisen, a citizen of Norway, residing at Tosterovagen 11, S-125 42 Alvsjo Sweden.

2. The rights are being conveyed to:

Poly-Med, Inc.  
Westinghouse Road  
Pendleton, SC 29670

3. The accompanying document intends to accomplish: Assignment.



4. Please address correspondence to:

Leigh P. Gregory, Esq.  
P.O. Box 168  
Clemson, SC 29633-0168

5. The attached assignment was executed on: November 9, 2001

6. The attached document:

☒ is in the English language.

☐ is not in the English language and a verified English translation signed by the individual making the translation is attached.

7. Submitted herewith is:

☒ the original document

☐ a true copy of the original document

8. a. This cover sheet identifies only one application.

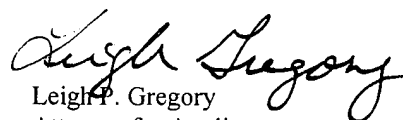
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Respectfully submitted,



Leigh P. Gregory  
Attorney for Applicant  
Registration No. 33,241

P.O. Box 168  
Clemson, SC 29633-0168  
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